## **Claims**

1. A metal holder with electrode pins, which comprises a metal holder 5 and at least two electrode pins 4 for allowing passage of electrical current, wherein each electrode pin 4 is larger in diameter at its head portion 4a than at its terminal portion 4b, and plastic members 6 are arranged to surround a part of the respective electrode pins 4 circumferentially, and wherein through holes 23 for the respective electrode pins 4 to pass through the holder 5 are formed in the holder 5, and the electrode pins 4 are fixed to the holes 23 via the plastic members 6, each hole 23 having a diameter-reduction portion 23a at a part thereof.

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- 2. The metal holder with electrode pins according to Claim 1, wherein the each electrode pin 4 has a constricted portion 4c in a part thereof located in the hole 23.
- 15 3. The metal holder with electrode pins according to Claim 1 or 2, wherein material of the plastic member 6 is a super engineering plastic.
  - 4. The metal holder with electrode pins according to Claim 1 or 2, wherein the holder 5 has, at its portions around the holes 23, pressed portions 27.
- 5. The metal holder with electrode pins according to Claim 1 or 2, wherein the head portion 4a of the each electrode pin 4 has a diameter larger than an inner diameter of the diameter-reduction portion 23a of the hole 23 and smaller than a center-to-center dimension between the two electrode pins 4.
- 25 6. The metal holder with electrode pins according to Claim 1 or 2,

wherein the holder 5 is provided, at a portion thereof on the side closer to an igniter portion 8, with a cylindrical projecting portion 5c surrounding the igniter portion 8, and a firing agent 8a is filled in an inner space surrounded by the projecting portion 5c.

- 5 7. The metal holder with electrode pins according to Claim 1 or 2, wherein the holder 5 is provided, at a portion thereof on the side closer to an igniter portion 8, with a cylindrical projecting portion 5c surrounding the igniter portion 8 and a cover 30 is arranged in an opening edge portion of the projecting portion 5c, and further an enhancer agent 9 is filled in an inner space surrounded by the projecting portion 5c.
  - 8. The metal holder with electrode pins according to Claim 1 or 2, wherein the electrode pins 4 and the plastic members 6 are integrally formed using an injection molding.
  - 9. A method of producing a metal holder with electrode pins comprising:

the step that after plastic members 6 having holes are inserted in holes 23 formed in the metal holder 5, electrode pins 4 are inserted in the holes of the plastic members 6, and

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the step that the metal holder 5 is pressed at portions thereof around both opening portions of the holes 23 in a depth direction thereof so that the plastic members 6 can be partly reduced in diameter to fix the electrode pins 4.

10. A method of producing a metal holder with electrode pins comprising:

the step that after electrode pins 4 are inserted in holes of plastic members 6 having holes or after the plastic members 6 and the electrode pins 4 are integrally formed using an injection molding, the plastic members 6 are inserted in holes 23 formed in the metal holder 5, the plastic members 6 are inserted in the holes 23 formed in the metal holder 5, and

the step that the metal holder 5 is pressed at portions thereof around both opening portions of the holes 23 in a depth direction thereof so that the plastic members 6 can be partly reduced in diameter to fix the electrode pins 4.

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- 11. A gas generator comprising a cup 3 packed with gas generant 2 to be burnt to generate gases, at least two electrode pins 4 for allowing passage of electrical current, an igniter portion 8, and a holder 5 joined to the cup 3 to seal up the gas generant 2, wherein the electrode pins 4 and the holder 5 form the metal holder with electrode pins according to Claim 1 or 2, and wherein the igniter portion 8 has a resistance element 7 interconnecting head portions of the electrode pins 4 and a firing agent 8a formed at least around the resistance element 7.
- 15 12. The gas generator according to Claim 11, wherein the cup 3 and the holder 5 are connected with each other by welding.
  - 13. The gas generator according to Claim 11, which has an enhancer agent holder 10, placed in the cup 3, for containing an enhancer agent 9.
- 14. The gas generator according to Claim 11, which has an insulating20 member 11 on a surface of the holder 5 on the side thereof closer to the igniter portion 8.
  - 15. The gas generator according to Claim 13, wherein a cap 14 is arranged to cover an outer portion of an enhancer agent holder 10 on the side thereof closer to gas generant 2.
- 25 16. The gas generator according to Claim 11, wherein joining portions of

the holder 5 and an opening edge 3c of the cup 3 being joined are located in a surface of the holder 5 on the side thereof closer to the igniter portion 8, and the joining portions are joined together by welding, by friction stir welding, or by adhesive bonding.